

FIG. 1

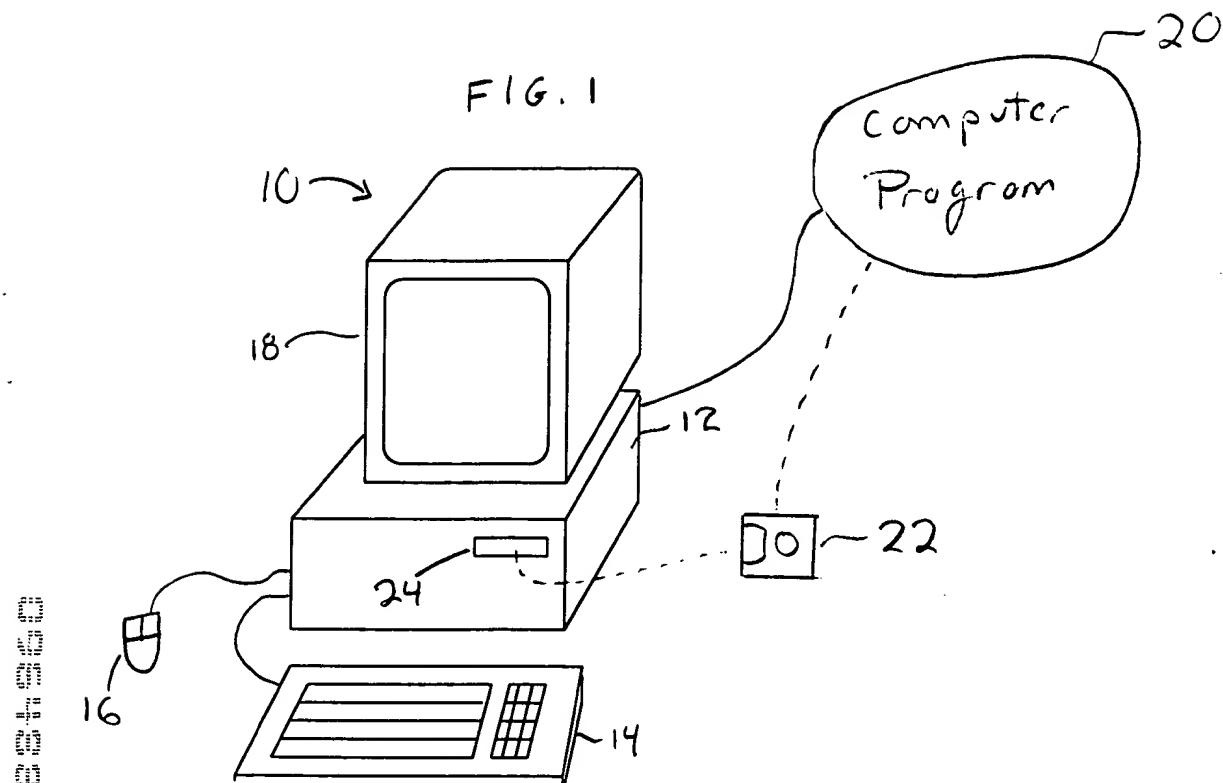


FIG. 2

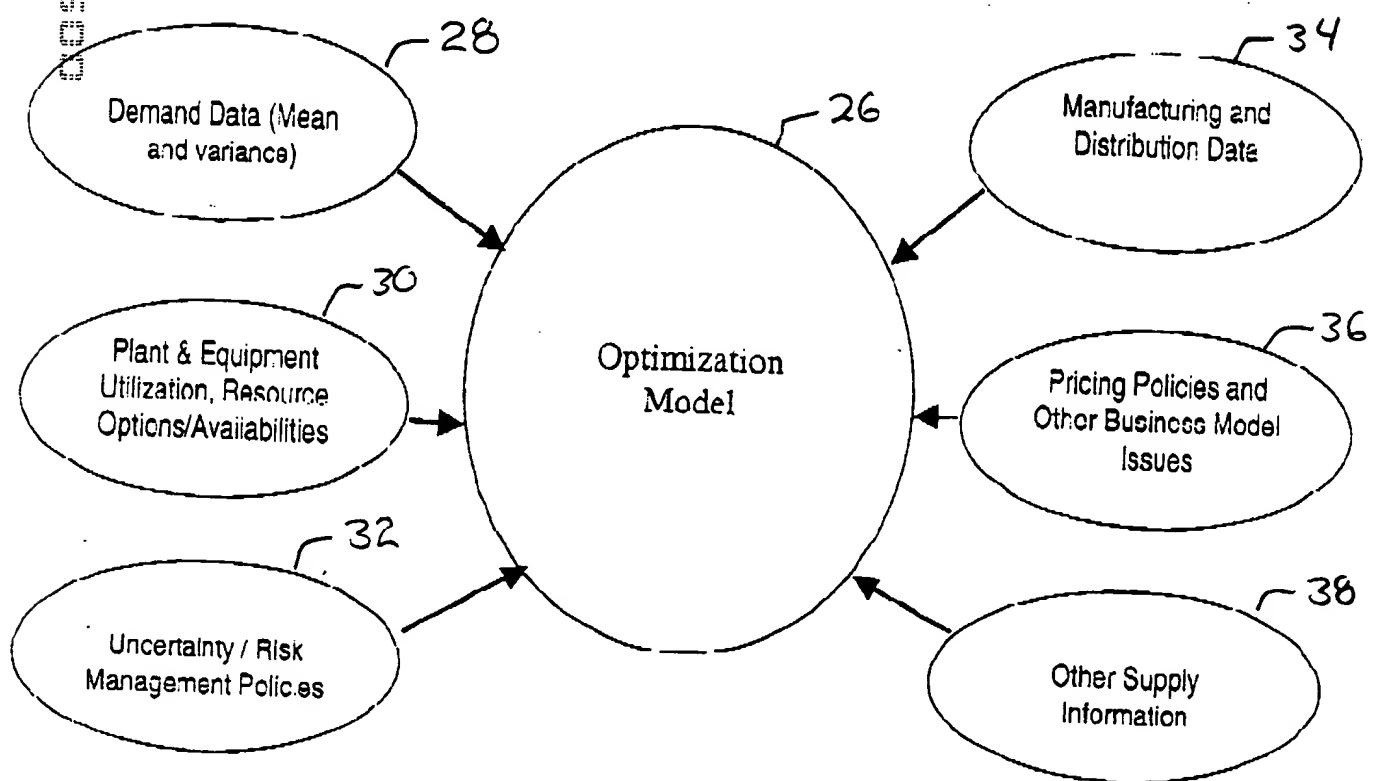


FIG. 3

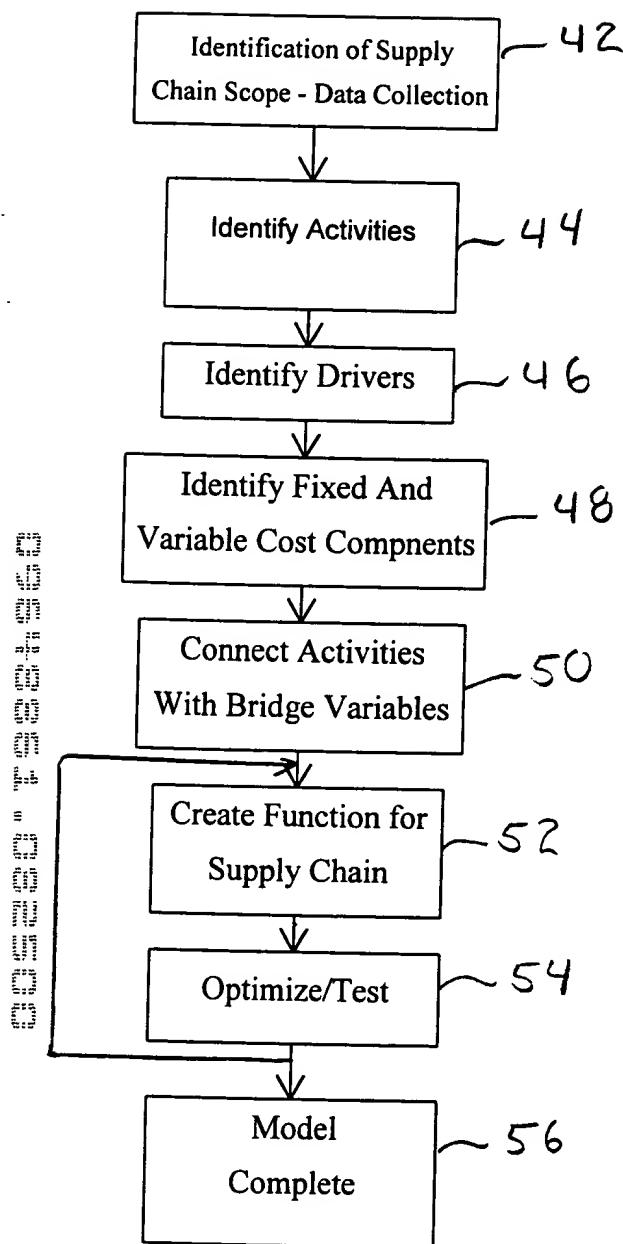


FIG. 4

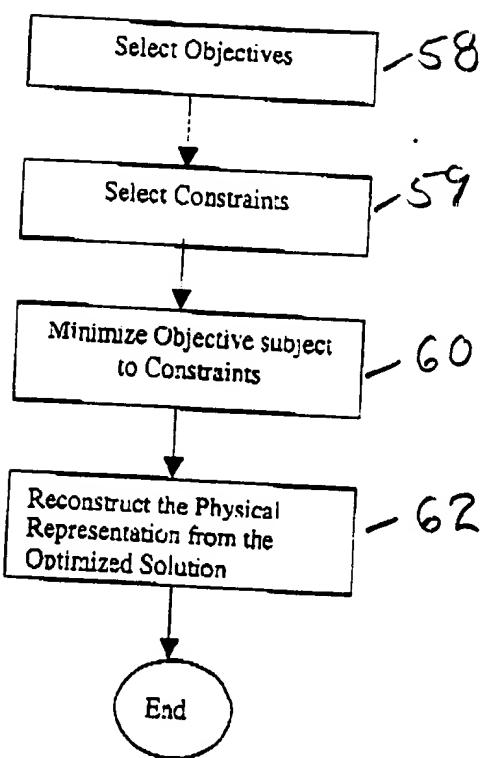


FIG. 5

What-If Inputs

- Freight costs
- Lead Times
- Holding Costs per type of product

• Store Demand Data:
Historical, Seasonality, Volatility

Existing Resources:
Number of Suppliers, Number of DCs, Number of Stores, Number of Trucks (assuming infinite)

Constraints: product freshness, warehouse space (assuming infinite), truck capacity

Optimal Outputs

- Order placement frequency
- Outbound delivery frequency
- Produce
- Other Items

Optimal Inventory Levels

- At DC Level
- At Stores

DC-Store Assignments:

What DC should serve which store co-ops?

Model 26
Objective:

Minimize Total
System Cost

